make copy of this part

Entered in numerical list March 1949 WAA.

L. Gómez 11. Cinchona officinalis L. A form of this species. I do not know anything about this genus, and the determinations here are more or less conventional. However I don't believe they are far from the truth.
18. Cinchona officinalis L. var. ?
19. Cinchona pubescens Vahl?
20. Cinchona officinalis L. var.?
23. Cinchona officinalis L. Almost typical.

2605. Relbunium ciliatum (R. & P.) Hemsl.
2630. Ladenbergia Pavonii (Lamb.) Standl.
2631. Richardia scabra L.
2634. Borreria ocymoides (Burm.) DC.
2635. Borreria laevis (Lam.) Griseb.
2636. Palicourea angustifolia HBK.
2637. Cinchona pubescens Vahl
2643. Manettia caryophyllata Standl. ined. Dr. Steere sent material of this some time ago
2644. Gonzalagunia sororia Standl.
2648. Palicourea fraciscana Standl. ined. Also collected by Steere
2649. Palicourea oreadium Standl.
2653. Psychotria locuples Standl.
2654. Ladenbergia macrocarpa (Vahl) Klotzsch. Determination not altogether certain without flowers.
2655. Guettarda sabiceoides Standl.
2656. Palicourea caelestis Standl. ined.
2657. Palicourea caprifoliacea Wernham
2658. Psychotria carthaginensis Jacq.
2659. Faramea Ownbeyi Standl., sp. nov.
2660. Hoffmannia ecuatoriana Standl.
2661. Palicourea hospitalis Standl.
2662. Palicourea educta Standl., sp. nov. It is strange this species has not been collected before, since it appears common. There are svereal collections of it made by you and by Steere. It is quite a distinct species, for this genus.
2663. Palicourea prodiga Standl. ined.?
2664. Psychotria macrophylla R. & P.
2665. Genipa ecuadorensis Standl., sp. nov.
2666. Psychotria carthaginensis Jacq.
2667. Psychotria quijosana Standl., sp. nov.
2668. Psychotria Recordiana Standl.
2669. Hillia Killipii Standl. Species new for Ecuador
2670. Psychotria madida Standl.? The material is not very good
2671. Faramea oblongifolia Standl.
2672. Palicourea angustifolia HBK.
2674. Psychotria macrophylla R. & P.
2675. Psychotria fortuita Standl. A Colombian species new for Ecuador
2676. Faramea quinqueflora Poepp. & Endl.
2678. Sterile. I am uncertain as to the genus
2679. Palicourea vulcanalis Standl. ined.
2680. Psychotria fortuita Standl.
2681. Randia hirsutissima Standl., sp. nov.
2682. Rustia rubra Standl.
2683. Neea Spruceana Standl.? Nyctaginaceae
2684. Palicourea Ownbeyi Standl., sp. nov.
2685. Cephaelis axillaris Swartz
2687. Genipa americana L.
2688. Cinchona officinalis L.
2689. Guettarda sabiceoides Standl.

2686. Condaminea corymbosa (R. & P.) DC. out of order
2690. Rondeletia trichotoma Standl.
2691. Hedyosmum racemosum (R. & P.) Don. Chloranthaceae
2693. Palicourea crocea (Swartz) R. & S.
2696. Palicourea cosangana Standl., sp. nov.
2697. ~~Sanchezia~~ Gonzalagunia sororia Standl.
2698. Palicourea hospitalis Standl.
2699. Palicourea vulcanalis Standl. ined.
2700. Posoqueria ~~longi~~ latifolia (Rudge) R. & S.
2701. Coccocypselum Condaminea Pers.
2702. Palicourea lasiantha Krause
2704. Guettarda sabiceoides Standl.
2703. (out or order). Sabicea paraensis Wernham
2705. Gonzalagunia dependens R. & P.
2708. Cinchona officinalis L.
2709. Psychotria pilosa R. & P.
2710. Psychotria pilosa R. & P.
2711. Faramea platycarpa Standl., sp. nov. This may turn out to be one of the named species, but so far I have been unable to place it
2713. Hamelia pedicellata Wernham
2714. Pentagonia orthoneura Standl. All species of this genus are very poorly represented in herbaria
2715. Citharexylum Poeppigii Walp. Verbenaceae
2716. Annonaceae. I have been unable to name it satisfactorily
2717. Cephaelis tomentosa (Aubl.) Vahl
2718. Palicourea lugubris Schum. & Krause
2719. Psychotria bullatifolia Standl. A Peruvian species new for Ecuador
2725. Palicourea subspicata Huber. New for Ecuador
2726. Geophila herbacea (Jacq.) Schum.
2727. Psychotria Ownbeyi Standl., sp. nov.
2728. Duroia longifolia (P. & E.) Schum. New for Ecuador
2729. Psychotria ramiflora Busby. New for Ecuador
2730. Cephaelis barcellana (Muell. Arg.) Standl. New for Ecuador
2731. Psychotria crateristipula Schum., ined.
2733. Psychotria tinctoria R. & P. New for Ecuador
2735. Rustia splendens (Karst.) Standl.
2736. Neea macrophylla Poepp. & Endl. Nyctaginaceae
2737. Hillia Killipii Standl. New for Ecuador
2738. Duroia hirsuta (P. & E.) Schum. New for Ecuador
2739. Joosia macrocalyx Standl., sp. nov.
2740. Palicourea educta Standl., sp. nov.
2741. Tocoyena amazonica Standl.? New for Ecuador, whatever it is.
2742. Pentagonia orthoneura Standl.

This is a very fine collection of Rubiaceae, as you may infer from the notes above. I have named it in connection with two others from Ecuador, one by Steere, the other by Campx. When all this Ecuador material is together--I expect more from the collectors in the field, and I haven't yet seen Steyermark's collections--I hope to get out a full account of the family as it is represented in the country, in which your collections will be cited. I am sending you a duplicate copy of the determinations since I do not know to whom in Washington it should go.

Very few Rubiaceae have been collected in the Napo-Pastaza region, and there is no doubt that many more additional species will be found there. The western foothills of the Andes are the portion of western South America is the region in which this family is best represented.

Paul C. Standley

Paul C. Standley
August 16, 1944

HERBARIUM OF THE STATE COLLEGE OF WASHINGTON, PULLMAN

PLANTS OF ECUADOR

Relbunium ciliatum (R. & P.) Hemsl.
dupl. det. P. C. Standley
PROVINCE OF PICHINCHA: prostrate herb on wall of ravine, lower slopes of Pichincha, west of Quito

Collector: Marion Ownbey, 2605 Nov. 17, 1943

HERBARIUM OF THE STATE COLLEGE OF WASHINGTON, PULLMAN

PLANTS OF ECUADOR

PROVINCE OF PICHINCHA: herb with blue flowers along trail, Pancillo, Quito

Collector: Marion Ownbey, 2652 Jan. 1, 1944

HERBARIUM OF THE STATE COLLEGE OF WASHINGTON, PULLMAN

PLANTS OF ECUADOR

PROVINCE OF PICHINCHA: shrub with red flowers and glabrous calyx, along trail, Pancillo, Quito

Collector: Marion Ownbey, 2651 Jan. 1, 1944

HERBARIUM OF THE STATE COLLEGE OF WASHINGTON, PULLMAN

PLANTS OF ECUADOR

PROVINCE OF PICHINCHA: shrub with red flowers and hairy calyx along trail, Pancillo, Quito.

Collector: Marion Ownbey, 2650 Jan. 1, 1944

PLANTS OF SOUTH AMERICA
ECUADOR

PROVINCE OF PICHINCHA: terrestrial orchid on walls of ravine, flowers pink, lower slopes of Pichincha, west of Quito

Marion Ownbey 2602 Nov. 17, 1943

HERBARIUM OF THE STATE COLLEGE OF WASHINGTON, PULLMAN

PLANTS OF ECUADOR

Cinchona pubescens Vahl "bofuda"
--dupl. det. P. C. Standley

PROVINCE OF IMBABURA: tree to 3 ft. in diameter, 50 ft. high; common in 2nd growth and virgin forests, El Calvario, Rio Asabí, Valle Intag, s. w. of Volcán Cotocachi

Collector: Marion Ownbey, 2637 Dec. 16, 1943

PLANTS OF SOUTH AMERICA
ECUADOR

Palicourea augustifolia HBK.
--dupl. det. P. C. Standley

PROVINCE OF IMBABURA: low shrub in forest, Cerro Cedrille, Hacienda Monopamba, Valle Intag (on bench, right-hand side of river, $\frac{1}{2}$ day by mule below Apuela). Flowers magenta

Marion Ownbey 2636 Dec. 13, 1943

PLANTS OF SOUTH AMERICA
ECUADOR

Richardia scabra L.
dupl. det. P. C. Standley

PROVINCE OF IMBABURA: flowers white; grassy banks of Rio Intag at crossing above mouth of Rio Quinde, Valle Intag, southwest of Volcan Cotocachi

Marion Ownbey 2631 Dec. 12, 1943

PLANTS OF SOUTH AMERICA
ECUADOR

PROVINCE OF IMBABURA: cloud forest, Ridge of Moinala, southwest of Volcan Cotocachi, elev. 9500 ft.

Marion Ownbey 2624 Dec. 3, 1943

PLANTS OF SOUTH AMERICA
ECUADOR

PROVINCE OF IMBABURA: wet cloud forest, trail below Taminanga toward Rio Asabi, southwest of Volcan Cotocachi, elev. 9000 ft.

Marion Ownbey 2619 Dec. 2, 1943

PLANTS OF SOUTH AMERICA
ECUADOR

PROVINCE OF IMBABURA: epiphyte in forest at San Pablo on the Rio Pamplona, Selva Alegra, southwest of Volcan Cotocachi, elev. 6000 ft.

Marion Ownbey 2614 Nov. 30, 1943

HERBARIUM OF THE STATE COLLEGE OF WASHINGTON, PULLMAN

PLANTS OF ECUADOR

PROVINCE OF IMBABURA: epiphyte in forest at San Pablo on the Rio Pamplona, Selva Alegra, southwest of Volcán Cotocachi, elev. 6000 ft.

Collector: Marion Ownbey, 2613 Nov. 30, 1943

HERBARIUM OF THE STATE COLLEGE OF WASHINGTON, PULLMAN

PLANTS OF ECUADOR

PROVINCE OF NAPO-PASTAZA; Quijos River Region below Baeza: tree with astringent, fissured bark which turns red, in forest, Ridge of Salada on trail between Chaco and mouth of Rio Salado, one day by foot below Chaco. Called "Capuisilla," and confused with Cinchona.

Collector: elev. 6000 ft.

Marion Ownbey, 2677 Feb. 27, 1944

PLANTS OF SOUTH AMERICA
ECUADOR

Palicourea subspicata Huber.--New to Ecuador
--dupl. det. P. C. Standley

PROVINCE OF NAPO-PASTAZA: Archidona--Tena Region: semi-shrub with orange flowers on forest floor on watershed between Rio Misha-valli and (Rio) Shiti-yacu, some kilometers west of Archidona, elev. 2500 ft.

Marion Ownbey, 2725 March 20, 1944

HERBARIUM OF THE STATE COLLEGE OF WASHINGTON, PULLMAN

PLANTS OF ECUADOR

Palicourea Ownbeyi Standl., sp. nov.
--dupl. det. P. C. Standley
PROVINCE OF NAPO-PASTAZA; Quijos River Region below Baeza: shrub with red inflorescence (no flowers open) on ridge southwest of confluence of Rio Salado with the Rio Quijos, elev. 5000 ft.

Collector: Marion Ownbey, 2684 March 2, 1944

PLANTS OF SOUTH AMERICA
ECUADOR

Palicourea caelestis Standl., ined.
--dupl. det. P. C. Standley

PROVINCE OF NAPO-PASTAZA: Quijos River Region below Baeza; large shrub with magenta flowers and blue-black, in second growth forest at Chaco, elev. 5400 ft.

Marion Ownbey 2656 Feb. 17, 1944

PLANTS OF SOUTH AMERICA
ECUADOR

Palicourea caelestis Standl., ined.
--dupl. det. P. C. Standley

PROVINCE OF NAPO-PASTAZA: Quijos River Region below Baeza; large shrub with magenta flowers and blue-black, in second growth forest at Chaco, elev. 5400 ft.

Marion Ownbey 2656 Feb. 17, 1944

PLANTS OF SOUTH AMERICA
ECUADOR

Palicourea caelestis Standl., ined.
--dupl. det. P. C. Standley

PROVINCE OF NAPO-PASTAZA: Quijos River Region below Baeza; large shrub with magenta flowers and blue-black berries, in second growth forest at Chaco, elev. 5400 ft.

Marion Ownbey, 2656 Feb. 17, 1944

HERBARIUM OF THE STATE COLLEGE OF WASHINGTON, PULLMAN

PLANTS OF ECUADOR

Palicourea hospitalis Standl.
--dupl. det. P. C. Standley

PROVINCE OF NAPO-PASTAZA; Quijos River Region below Baeza: flowers red proximally, yellow distally, tube about 4 cm. long; shrub in virgin forest on ridge, region of Rio San Juan, 15 km. n. w. of Chaco, elev. 8300 ft.

Collector: Marion Ownbey, 2661

Feb. 20, 1944

HERBARIUM OF THE STATE COLLEGE OF WASHINGTON, PULLMAN

PLANTS OF ECUADOR

Neea Spruceana Standl. (?)
--dupl. det. P. C. Standley
PROVINCE OF NAPO-PASTAZA; Quijos River Region below Baeza: shrub with waxy green leaves on ridge southwest of confluence of the Rio Salado with the Rio Quijos, elev. 5000 ft.

Collector: Marion Ownbey, 2683 March 2, 1944

HERBARIUM OF THE STATE COLLEGE OF WASHINGTON, PULLMAN

PLANTS OF ECUADOR

Psychotria bullatifolia Standl.--New to
--dupl. det. P. C. Standley (Ecuador

PROVINCE OF NAPO-PASTAZA; Archidona--Tena
Region: herb with orange berries on forest
floor, northwest of Archidona, elev. 2400 ft.

Collector: Marion Ownbey, 2719 March 19, 1944

PLANTS OF SOUTH AMERICA

ECUADOR

Psychotria fortuita Standl.--New to Ecuador
--dupl. det. P. C. Standley

PROVINCE OF NAPO-PASTAZA: Quijos River Region below Baeza; tall shrub with small white flowers and red fruits on ridge between Rio Cauchillo and Rio Bonbon, southeast of Chaco, elev. 6500 ft.

Marion Ownbey, 2675 Feb. 25, 1944

PLANTS OF SOUTH AMERICA
ECUADOR

Psychotria carthaginensis Jacq.
--dupl. det. P. C. Standley

PROVINCE OF NAPO-PASTAZA; Quijos River Region below Baeza; shrub with greenish flowers and red berries, in virgin forest, 10 km. n. w. of Chaco on trail to Rio San Juan, elev. 5600 ft.

Marion Ownbey, 2658 Feb. 18, 1944

HERBARIUM OF THE STATE COLLEGE OF WASHINGTON, PULLMAN

PLANTS OF ECUADOR

Psychotria macrophylla R. & P.
--dupl. det. P. C. Standley
PROVINCE OF NAPO-PASTAZA; Quijos River Region
below Baeza: flowers white, berries white;
herb in virgin forest, about 10 km. n. w.
of Chaco, trail to Rio San Juan, elev. 5600 ft

Collector: Marion Ownbey, 2664 Feb. 21, 1944

HERBARIUM OF THE STATE COLLEGE OF WASHINGTON, PULLMAN

PLANTS OF ECUADOR

PROVINCE OF NAPO-PASTAZA: floor of virgin forest, 11 km. north of Archidona on trail between Baeza and Tena, elev. 3000 ft.
(This is only a few km. toward Archidona from where 2706 was collected.--MO)

Collector: Marion Ownbey, 2706A March 18, 1944

HERBARIUM OF THE STATE COLLEGE OF WASHINGTON, PULLMAN

PLANTS OF ECUADOR

Bark used by Indians to treat malaria.
PROVINCE OF NAPO-PASTAZA: tree to 8 inches in diameter with bitter bark and leaves shiny above, fruits black, in clusters: virgin forest, 11 km. n. of Archidona on trail between Baeza and Tena, elev. 3000 ft.

Collector: Marion Ownbey, 2716 March 18, 1944

HERBARIUM OF THE STATE COLLEGE OF WASHINGTON, PULLMAN

PLANTS OF ECUADOR

Tocoyena amazonica Standl. (?) "New to Ecuador, whatever it is."--dupl. det. P. C. Standley
PROVINCE OF NAPO-PASTAZA; Archidona--Tena
Region: low shrub with yellow fruit on forest floor, ridge of Cordellera de Guacamayos, south of Rio Pano, west of Tena, elev. 3000 ft.

Collector: Marion Ownbey, 2741 March 26, 1944

PLANTS OF SOUTH AMERICA
ECUADOR

Genipa ecuadorensis Standl., sp. nov.
--dupl. det. P. C. Standley

PROVINCE OF NAPO-PASTAZA: Quijos River Region below Baeza; flowers cream-colored, fruits large, spherical; small tree on ridge, southeast of Chaco across Rio Quijos, elev. 5500 ft.

Marion Ownbey, 2665 Feb. 23, 1944

PLANTS OF SOUTH AMERICA
ECUADOR

Genipa ecuadorensis Standl., sp. nov.
--dupl. det. P. C. Standley

PROVINCE OF NAPO-PASTAZA: Quijos River Region below Baeza; flowers cream-colored, fruits large, spherical; small tree on ridge, southeast of Chaco across Rio Quijos, elev. 5500 ft.

Marion Ownbey, 2665 Feb. 23, 1944

PLANTS OF SOUTH AMERICA
ECUADOR

Genipa ecuadorensis Standl., sp. nov.
--dupl. det. P. C. Standley

PROVINCE OF NAPO-PASTAZA: Quijos River Region below Baeza; flowers cream-colored, fruits large, spherical; small tree on ridge, southeast of Chaco across Rio Quijos, elev. 5500 ft.

Marion Ownbey, 2665 Feb. 23, 1944

PLANTS OF SOUTH AMERICA
ECUADOR

Genipa ecuadorensis Standl., sp. nov.
--dupl. det. P. C. Standley

PROVINCE OF NAPO-PASTAZA; Quijos River Region below Baeza: flowers cream-colored, fruits large, spherical; small tree on ridge, southeast of Chaco across Rio Quijos, elev. 5500 ft.

Marion Ownbey, 2665 Feb. 23, 1944

PLANTS OF SOUTH AMERICA
ECUADOR

Genipa ecuadorensis Standl., sp. nov.
--dupl. det. P. C. Standley

PROVINCE OF NAPO-PASTAZA: Quijos River Region below Baeza: flowers cream-colored, fruits large, spherical; small tree on ridge, southeast of Chaco across Rio Quijos, elev. 5500 ft.

Marion Ownbey, 2665 Feb. 23, 1944

PLANTS OF SOUTH AMERICA

ECUADOR

Cephaelis tomentosa (Aubl.) Vahl.
--dupl. det. P. C. Standley

PROVINCE OF NAPO-PASTAZA: Archidona-Tena Region: shrub with small white flowers in red-bracted heads, and blue berries, along river and creeks northwest of Archidona, elev. 2400 ft.

Marion Ownbey, 2717 March 19, 1944

PLANTS OF SOUTH AMERICA
ECUADOR

Cephaelis tomentosa (Aubl.) Vahl.
--dupl. det. P. C. Standley

PROVINCE OF NAPO-PASTAZA: Archidona-Tena Region: shrub with small white flowers in red-bracted heads, and blue berries, along river and creeks northwest of Archidona, elev. 2400 ft.

Marion Ownbey, 2717 March 19, 1944

PLANTS OF SOUTH AMERICA
ECUADOR

Gonzalagunia dependens R. & P.
--dupl. det. P. C. Standley

PROVINCE OF NAPO-PASTAZA: shrub with small white flowers and white berries overhanging trail between Jondachi and Osoyacu on trail between Baeza and Tena, elev. 3700 ft.

Marion Ownbey, 2705 March 13, 1944

PLANTS OF SOUTH AMERICA
ECUADOR

Gonzalagunia dependens R. & P.
--dupl. det. P. C. Standley

PROVINCE OF NAPO-PASTAZA: shrub with small white flowers and white berries overhanging trail between Jondachi and Osoyacu on trail between Baeza and Tena, elev. 3700 ft.

Marion Ownbey, 2705 March 13, 1944

PLANTS OF SOUTH AMERICA
ECUADOR

Gonzalagunia dependens R. & P.
--dupl. det. P. C. Standley

PROVINCE OF NAPO-PASTAZA: shrub with small white flowers and white berries overhanging trail between Jondachi and Osoyacu on trail between Baeza and Tena, elev. 3700 ft.

Marion Ownbey, 2705 March 13, 1944

PLANTS OF SOUTH AMERICA
ECUADOR

Gonzalagunia dependens R. & P.
--dupl. det. P. C. Standley

PROVINCE OF NAPO-PASTAZA: shrub with small white flowers and white berries overhanging trail between Jondachi and Osoyacu on trail between Baeza and Tena, elev. 3700 ft.

Marion Ownbey, 2705 March 13, 1944

PLANTS OF SOUTH AMERICA
ECUADOR

Gonzalagunia dependens R. & P.
--dupl. det. P. C. Standley

PROVINCE OF NAPO-PASTAZA: shrub with small white flowers and white berries overhanding trail between Jondachi and Osoyacu on trail between Baeza and Tena, elev. 3700 ft.

Marion Ownbey, 2705 March 13, 1944

5 HERBARIUM OF THE STATE COLLEGE OF WASHINGTON, PULLMAN

PLANTS OF ECUADOR

Gonzalagunia dependens R. & P.
--dupl. det. P. C. Standley

PROVINCE OF NAPO-PASTAZA: shrub with small white flowers and white berries overhanging trail between Jondachi and Osoyacu on trail between Baeza and Tena, elev. 3700 ft.

Collector: Marion Ownbey, 2705 March 13, 1944

HERBARIUM OF THE STATE COLLEGE OF WASHINGTON, PULLMAN

PLANTS OF ECUADOR

Geophila herbacea (Jacq.) Schum.
--dupl. det. P. C. Standley
PROVINCE OF NAPO-PASTAZA; Archidona--Tena Region: trailing herb with red fruits on forest floor near crossing of (Rio) Shitiyacu, northwest of Archidona, elev. 2500 ft.

Collector: Marion Ownbey, 2726 March 21, 1944

PLANTS OF TEXAS

Northwestern part of Cherokee Co.

Spring 1939

H. M. Smith, No.

Surplus labels

Owenby

about 200 nos. Labels made fro
master ~~labels~~ sheet. are ÷ box with
handle 1.

Some have been named